

FUEL-INJECTION VALVE

ABSTRACT

The fuel injection valve, for an internal combustion motor, has a valve body with injection openings (20) at its point. A valve needle has an axial movement within  
5 the valve body, with a conical needle point to give a selective blocking and release of the fuel flow through the injection openings. The point of the valve needle has recessed grooves matching each of the injection openings. The width of each groove matches the diameter of an  
10 injection opening, with a stepped contour and a curved cross section.